

CAPS Survey Report

Year:	2014
State:	Kansas
Cooperative Agreement Name:	Soybean Commodity Survey
Cooperative Agreement Number:	14-8420-1227-CA
Project Funding Period:	March 1, 2014 – February 28, 2015
Project Report:	CAPS Survey Report
Project Document Date:	March 1, 2014 – February 28, 2015
Cooperators Project Coordinator:	Laurinda Ramonda
Name:	Plant Protection and Weed Control
Agency:	Kansas Department of Agriculture
Address:	6531 SE Forbes Avenue, Suite B
City/ Address/ Zip:	Topeka, Kansas 66619
Telephone:	785-564-6698
E-mail:	laurinda.ramonda@kda.ks.gov

Quarterly Report	<input type="checkbox"/>
Semi-Annual Accomplishment Report	<input type="checkbox"/>
Annual Accomplishment Report	<input checked="" type="checkbox"/>

A. Write a brief narrative of work accomplished. Compare actual accomplishments to objectives established as indicated in the work plan. When the output can be quantified, a computation of cost per unit is required when useful.*

Participants: Laurinda Ramonda – provide training, supervision and shipping of samples to lab
Greg Chrislip, state entomologist – provide training, supervision and specimen sorting
Eric La Gasa, Washington State Department of Agriculture, Plant Protection Division, Olympia, WA – provide specimen identification
Brent Jones – northeast trapping
Chance Curran – southeast trapping

- February 20, 2014 – Pre-award letter signed with an expiration of May 31, 2014
- June 2, 2014 – Northeast trapping began
- June 3, 2014 – Southeast trapping began
- May 29, 2014 – Cooperative agreements were signed
- July 1, 2014 – 44 moths were sent to the Washington Department of Agriculture – 4 traps with 21 moths for silver y moth and 5 traps with 18 moths for old world bollworm.
– July 9, 2014 – No targets detected.
- July 17, 2014 – 7,489 moths were sent to the Washington Department of Agriculture – 72 traps with 7,489 moths for old world bollworm. – September 24, 2014 – No targets detected.
- July 23, 2014 – 3,999 moths were sent to the Washington Department of Agriculture – 77 traps with 3,909 moths for old world bollworm and 15 traps with 90 moths for Egyptian cottonworm. – September 24, 2014 – No targets detected.
- July 30, 2014 – 770 moths were sent to the Washington Department of Agriculture – 16 traps with 746 moths for old world bollworm and 6 traps for 24 Egyptian cottonworm. – September 24, 2014 – No targets detected.
- August 14, 2014 – 2,195 moths sent to Washington Department of Agriculture – 44 traps for old world bollworm. – November 24, 2014 – No targets detected.
- August 19, 2014 – 1,313 moths were sent to the Washington Department of Agriculture – 35 traps with 1,311 moths for old world bollworm and 1 trap with 2 moths for Egyptian cottonworm. – September 24, 2014 – No targets detected.
- August 26, 2014 – 2,253 moths were sent to the Washington Department of Agriculture – 41 traps with 2,236 moths for old world bollworm and 3 traps with 17 moths for silver y moth. – October 30, 2014 – No targets detected.
- September 3, 2014 – 3,817 moths were sent to the Washington Department of Agriculture – 71 traps with 3,757 moths for old world bollworm, 2 traps with 52 moths for Egyptian cottonworm and 1 trap with 8 moths for silver y moth. – October 30, 2014 – No targets detected.
- September 15, 2014 – 2,497 moths were sent to the Washington Department of Agriculture – 42 traps with 2,424 moths for old world bollworm, 9 traps with 36 Egyptian cottonworm, 4 traps for silver y moth and 1 trap for golden twin spot moth. – October 30, 2014 – No targets detected.

- September 18, 2014 – 1,721 moths were sent to the Washington Department of Agriculture – 42 traps with 1,632 moths for old world bollworm, 7 traps with 55 moths for Egyptian cottonworm and 4 traps with 34 moths for silver y moth. – November 24, 2014 – No targets detected.
- September 25, 2014 – All traps removed
- October 7, 2014 – 2,164 817 moths were sent to the Washington Department of Agriculture – 76 traps with 1,866 moths for old world bollworm, 19 traps with 292 moths for silver y moth and 5 traps with 6 moths for Egyptian cottonworm. – November 24, 2014 – No targets detected.

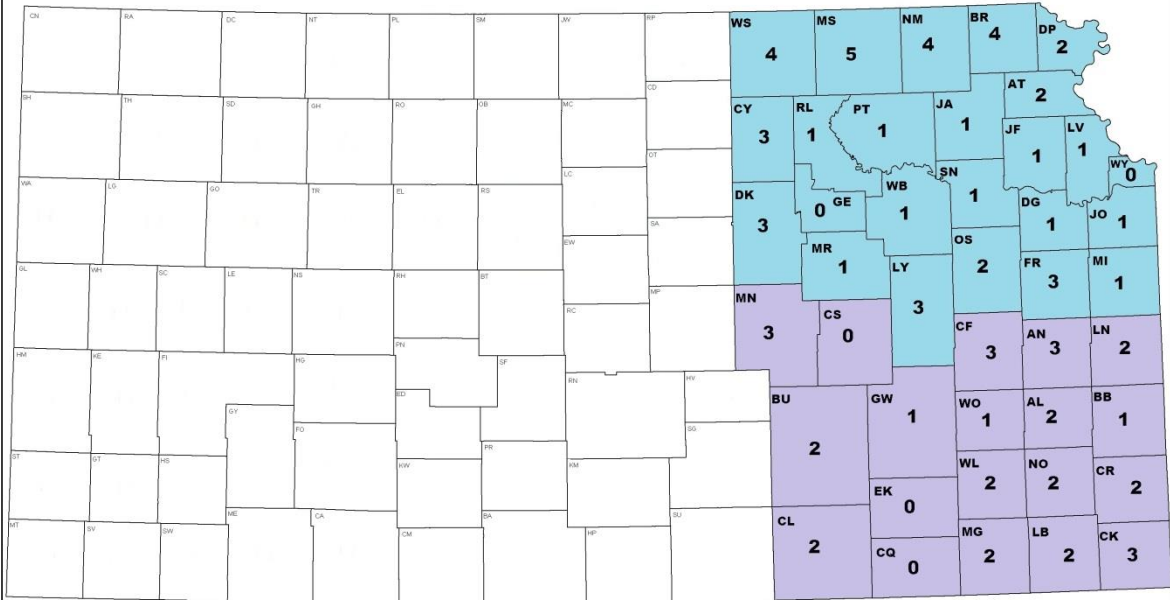
Funding Amount (USDA)	Funding Amount (KDA)	Total Number of Traps	Cost Per Unit
Proposed = \$37,336	Proposed = \$3,741	Proposed = 395	Proposed = \$103.99
Actual = \$37,336	Actual = \$3,741	Actual = 395	Actual = \$ 103.99

1. Survey methodology (trapping protocol):

	Common Name	Scientific Name
Pest:	Summer fruit tortrix	<i>Adoxophyes orana</i>
	Silver y moth	<i>Autographa gamma</i>
	Golden twin-spot moth	<i>Chrysodeixis calcites</i>
	Old world bollworm	<i>Helicoverpa armigera</i>
	Egyptian cottonworm	<i>Spodoptera littoralis</i>

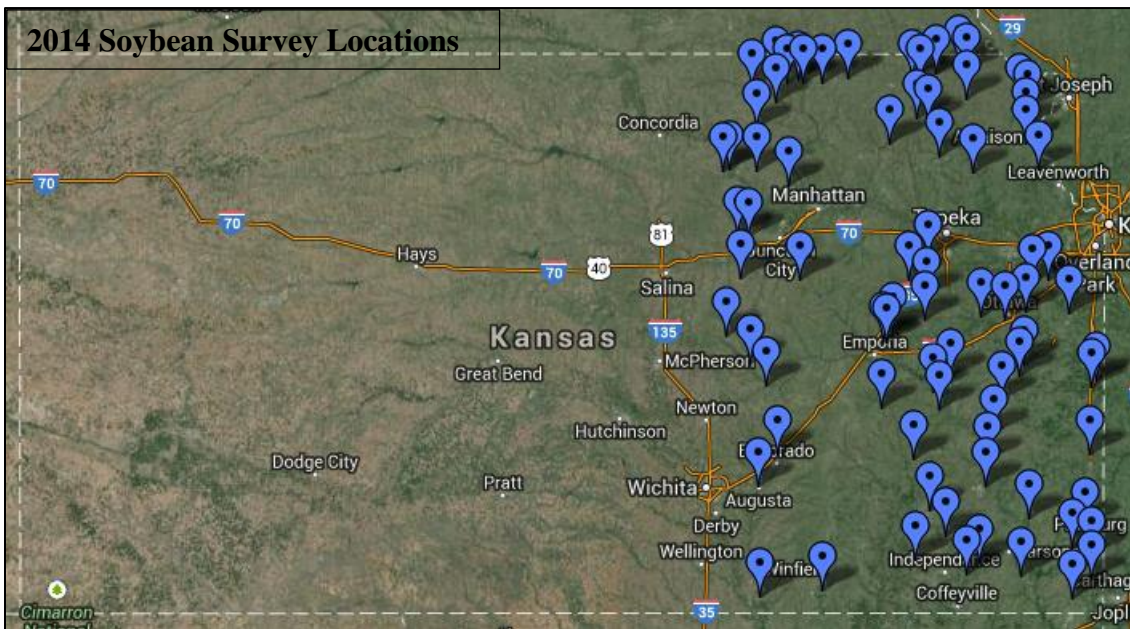
	Proposed	Actual
Sites (Locations):	79	79
Traps:	395	395
Number of Counties:	38	38
Counties:	Allen, Anderson, Atchison, Bourbon, Brown, Butler, Cherokee, Clay, Coffey, Cowley, Crawford, Dickinson, Doniphan, Douglas, Franklin, Greenwood, Jackson, Jefferson, Johnson, Labette, Leavenworth, Linn, Lyon, Marion, Marshall, Miami, Montgomery, Morris, Nemaha, Neosho, Osage, Pottawatomie, Riley, Shawnee, Washington, Wabaunsee, Wilson and Woodson.	Allen, Anderson, Atchison, Bourbon, Brown, Butler, Cherokee, Clay, Coffey, Cowley, Crawford, Dickinson, Doniphan, Douglas, Franklin, Greenwood, Jackson, Jefferson, Johnson, Labette, Leavenworth, Linn, Lyon, Marion, Marshall, Miami, Montgomery, Morris, Nemaha, Neosho, Osage, Pottawatomie, Riley, Shawnee, Washington, Wabaunsee, Wilson and Woodson.

Soybean – 1 field per 25,000 acres



SE KS – 33 Fields
NE KS – 46 Fields

2014 Soybean Survey Locations





Drying moths from wet traps



Chewed up sponge in trap for mouse nest
(found this on several occasions in bucket traps)

2. Survey dates:

	Proposed	Actual
Survey Dates:	May – August 2014	June 2, 2014 – September 25, 2014

3. Benefits and results of survey:

	Positive	Negative	Total Number
Traps	0	395	395

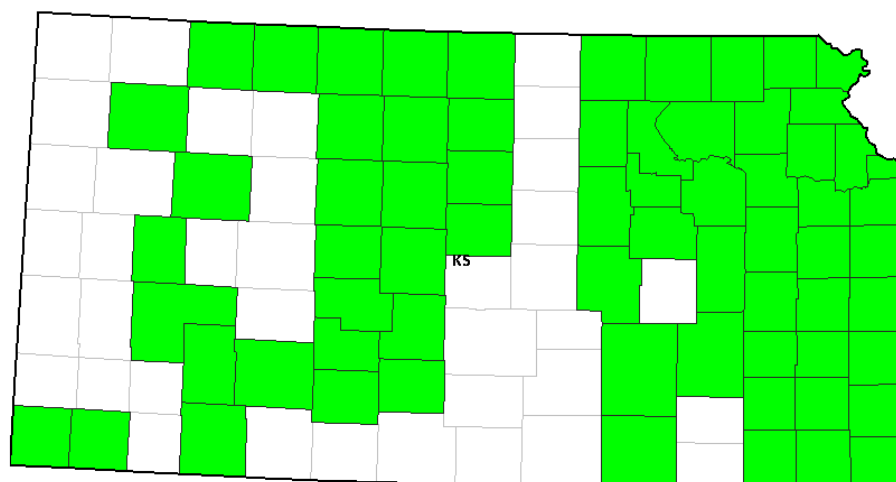
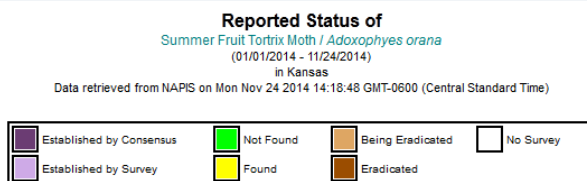
4. Database submissions:

Records Submitted to NAPIS

Pest	Area	Survey Method	Year	Total Traps	Positive Traps
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Allen	Trap;Delta Pheromone (Paper)	2014	2	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Anderson	Trap;Delta Pheromone (Paper)	2014	3	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Atchison	Trap;Delta Pheromone (Paper)	2014	2	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Bourbon	Trap;Delta Pheromone (Paper)	2014	1	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Brown	Trap;Delta Pheromone (Paper)	2014	4	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Butler	Trap;Delta Pheromone (Paper)	2014	2	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Cherokee	Trap;Delta Pheromone (Paper)	2014	3	0

Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Clay	Trap;Delta Pheromone (Paper)	2014	3	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Coffey	Trap;Delta Pheromone (Paper)	2014	3	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Cowley	Trap;Delta Pheromone (Paper)	2014	2	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Crawford	Trap;Delta Pheromone (Paper)	2014	2	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Dickinson	Trap;Delta Pheromone (Paper)	2014	3	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Doniphan	Trap;Delta Pheromone (Paper)	2014	2	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Douglas	Trap;Delta Pheromone (Paper)	2014	1	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Franklin	Trap;Delta Pheromone (Paper)	2014	3	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Greenwood	Trap;Delta Pheromone (Paper)	2014	1	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Jackson	Trap;Delta Pheromone (Paper)	2014	1	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Jefferson	Trap;Delta Pheromone (Paper)	2014	1	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Johnson	Trap;Delta Pheromone (Paper)	2014	1	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Labette	Trap;Delta Pheromone (Paper)	2014	2	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Leavenworth	Trap;Delta Pheromone (Paper)	2014	1	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Linn	Trap;Delta Pheromone (Paper)	2014	2	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Lyon	Trap;Delta Pheromone (Paper)	2014	3	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Marion	Trap;Delta Pheromone (Paper)	2014	3	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Marshall	Trap;Delta Pheromone (Paper)	2014	5	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Miami	Trap;Delta Pheromone (Paper)	2014	1	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Montgomery	Trap;Delta Pheromone (Paper)	2014	2	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Morris	Trap;Delta Pheromone (Paper)	2014	1	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Nemaha	Trap;Delta Pheromone (Paper)	2014	4	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Neosho	Trap;Delta Pheromone (Paper)	2014	2	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Osage	Trap;Delta	2014	2	0

Adoxophyes orana		Pheromone (Paper)			
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Pottawatomie	Trap;Delta Pheromone (Paper)	2014	1	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Riley	Trap;Delta Pheromone (Paper)	2014	1	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Shawnee	Trap;Delta Pheromone (Paper)	2014	1	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Wabaunsee	Trap;Delta Pheromone (Paper)	2014	1	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Washington	Trap;Delta Pheromone (Paper)	2014	4	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Wilson	Trap;Delta Pheromone (Paper)	2014	2	0
Summer Fruit Tortrix Moth - Adoxophyes orana	KS - Woodson	Trap;Delta Pheromone (Paper)	2014	1	0
REPORT TOTAL				79	0



*** Includes counties from Exotic Oak Pest survey**

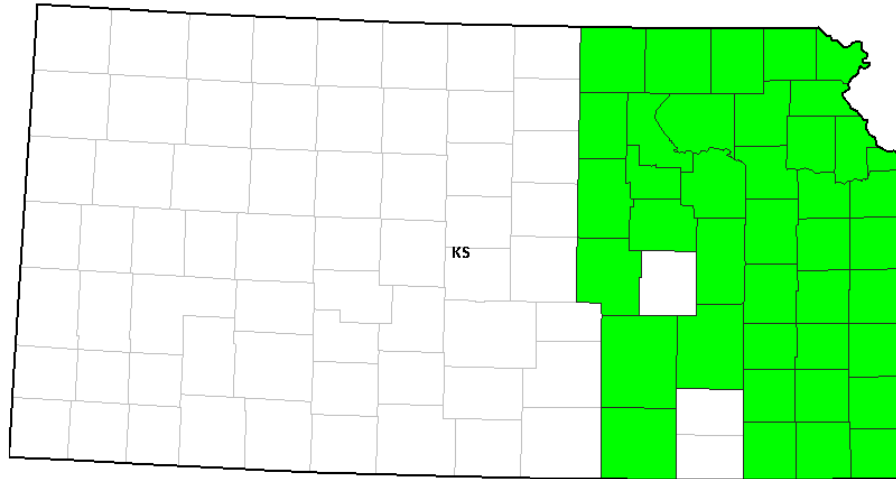
This map only represents pest survey data submitted to the NAPIS database by participating states in the Cooperative Agricultural Pest Survey (CAPS) program with USDA, APHIS, PPQ.
Data is based on survey observation by calendar year.
CERIS does not certify the accuracy or completeness of this map.
"Survey in Progress" does not imply that all counties are expected to report.
© 2009-2014 Purdue University. All Rights Reserved.

Pest	Area	Survey Method	Year	Total Traps	Positive Traps
Silver Y Moth - Autographa gamma	KS - Allen	Trap;Plastic Bucket (Unitrap)	2014	2	0
Silver Y Moth - Autographa gamma	KS - Anderson	Trap;Plastic Bucket (Unitrap)	2014	3	0
Silver Y Moth - Autographa gamma	KS - Atchison	Trap;Plastic Bucket (Unitrap)	2014	2	0
Silver Y Moth - Autographa gamma	KS - Bourbon	Trap;Plastic Bucket (Unitrap)	2014	1	0
Silver Y Moth - Autographa gamma	KS - Brown	Trap;Plastic Bucket (Unitrap)	2014	4	0
Silver Y Moth - Autographa gamma	KS - Butler	Trap;Plastic Bucket (Unitrap)	2014	2	0
Silver Y Moth - Autographa gamma	KS - Cherokee	Trap;Plastic Bucket (Unitrap)	2014	3	0
Silver Y Moth - Autographa gamma	KS - Clay	Trap;Plastic Bucket (Unitrap)	2014	3	0
Silver Y Moth - Autographa gamma	KS - Coffey	Trap;Plastic Bucket (Unitrap)	2014	3	0
Silver Y Moth - Autographa gamma	KS - Cowley	Trap;Plastic Bucket (Unitrap)	2014	2	0
Silver Y Moth - Autographa gamma	KS - Crawford	Trap;Plastic Bucket (Unitrap)	2014	2	0
Silver Y Moth - Autographa gamma	KS - Dickinson	Trap;Plastic Bucket (Unitrap)	2014	3	0
Silver Y Moth - Autographa gamma	KS - Doniphan	Trap;Plastic Bucket (Unitrap)	2014	2	0
Silver Y Moth - Autographa gamma	KS - Douglas	Trap;Plastic Bucket (Unitrap)	2014	1	0
Silver Y Moth - Autographa gamma	KS - Franklin	Trap;Plastic Bucket (Unitrap)	2014	3	0
Silver Y Moth - Autographa gamma	KS - Greenwood	Trap;Plastic Bucket (Unitrap)	2014	1	0
Silver Y Moth - Autographa gamma	KS - Jackson	Trap;Plastic Bucket (Unitrap)	2014	1	0
Silver Y Moth - Autographa gamma	KS - Jefferson	Trap;Plastic Bucket (Unitrap)	2014	1	0
Silver Y Moth - Autographa gamma	KS - Johnson	Trap;Plastic Bucket (Unitrap)	2014	1	0
Silver Y Moth - Autographa gamma	KS - Labette	Trap;Plastic Bucket (Unitrap)	2014	2	0
Silver Y Moth - Autographa gamma	KS - Leavenworth	Trap;Plastic Bucket (Unitrap)	2014	1	0
Silver Y Moth - Autographa gamma	KS - Linn	Trap;Plastic Bucket (Unitrap)	2014	2	0

Silver Y Moth - Autographa gamma	KS - Lyon	Trap;Plastic Bucket (Unitrap)	2014	3	0
Silver Y Moth - Autographa gamma	KS - Marion	Trap;Plastic Bucket (Unitrap)	2014	3	0
Silver Y Moth - Autographa gamma	KS - Marshall	Trap;Plastic Bucket (Unitrap)	2014	5	0
Silver Y Moth - Autographa gamma	KS - Miami	Trap;Plastic Bucket (Unitrap)	2014	1	0
Silver Y Moth - Autographa gamma	KS - Montgomery	Trap;Plastic Bucket (Unitrap)	2014	2	0
Silver Y Moth - Autographa gamma	KS - Morris	Trap;Plastic Bucket (Unitrap)	2014	1	0
Silver Y Moth - Autographa gamma	KS - Nemaha	Trap;Plastic Bucket (Unitrap)	2014	4	0
Silver Y Moth - Autographa gamma	KS - Neosho	Trap;Plastic Bucket (Unitrap)	2014	2	0
Silver Y Moth - Autographa gamma	KS - Osage	Trap;Plastic Bucket (Unitrap)	2014	2	0
Silver Y Moth - Autographa gamma	KS - Pottawatomie	Trap;Plastic Bucket (Unitrap)	2014	1	0
Silver Y Moth - Autographa gamma	KS - Riley	Trap;Plastic Bucket (Unitrap)	2014	1	0
Silver Y Moth - Autographa gamma	KS - Shawnee	Trap;Plastic Bucket (Unitrap)	2014	1	0
Silver Y Moth - Autographa gamma	KS - Wabaunsee	Trap;Plastic Bucket (Unitrap)	2014	1	0
Silver Y Moth - Autographa gamma	KS - Washington	Trap;Plastic Bucket (Unitrap)	2014	4	0
Silver Y Moth - Autographa gamma	KS - Wilson	Trap;Plastic Bucket (Unitrap)	2014	2	0
Silver Y Moth - Autographa gamma	KS - Woodson	Trap;Plastic Bucket (Unitrap)	2014	1	0
REPORT TOTAL				79	0

Reported Status of
Silver Y Moth / Autographa gamma
 (01/01/2014 - 11/24/2014)
 in Kansas

Data retrieved from NAPIS on Mon Nov 24 2014 14:23:23 GMT-0600 (Central Standard Time)



This map only represents pest survey data submitted to the NAPIS database by participating states in the Cooperative Agricultural Pest Survey (CAPS) program with USDA, APHIS, PPQ.

Data is based on survey observation by calendar year.

CERIS does not certify the accuracy or completeness of this map.

"Survey in Progress" does not imply that all counties are expected to report.

© 2009-2014 Purdue University. All Rights Reserved.

Pest	Area	Survey Method	Year	Total Traps	Positive Traps
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Allen	Trap;Wing Pheromone;Pherocon 1c	2014	2	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Anderson	Trap;Wing Pheromone;Pherocon 1c	2014	3	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Atchison	Trap;Wing Pheromone;Pherocon 1c	2014	2	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Bourbon	Trap;Wing Pheromone;Pherocon 1c	2014	1	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Brown	Trap;Wing Pheromone;Pherocon 1c	2014	4	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Butler	Trap;Wing Pheromone;Pherocon 1c	2014	2	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Cherokee	Trap;Wing Pheromone;Pherocon 1c	2014	3	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Clay	Trap;Wing Pheromone;Pherocon 1c	2014	3	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Coffey	Trap;Wing Pheromone;Pherocon 1c	2014	3	0

Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Cowley	Trap;Wing Pheromone;Pherocon 1c	2014	2	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Crawford	Trap;Wing Pheromone;Pherocon 1c	2014	2	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Dickinson	Trap;Wing Pheromone;Pherocon 1c	2014	3	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Doniphan	Trap;Wing Pheromone;Pherocon 1c	2014	2	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Douglas	Trap;Wing Pheromone;Pherocon 1c	2014	1	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Franklin	Trap;Wing Pheromone;Pherocon 1c	2014	3	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Greenwood	Trap;Wing Pheromone;Pherocon 1c	2014	1	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Jackson	Trap;Wing Pheromone;Pherocon 1c	2014	1	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Jefferson	Trap;Wing Pheromone;Pherocon 1c	2014	1	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Johnson	Trap;Wing Pheromone;Pherocon 1c	2014	1	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Labette	Trap;Wing Pheromone;Pherocon 1c	2014	2	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Leavenworth	Trap;Wing Pheromone;Pherocon 1c	2014	1	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Linn	Trap;Wing Pheromone;Pherocon 1c	2014	2	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Lyon	Trap;Wing Pheromone;Pherocon 1c	2014	3	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Marion	Trap;Wing Pheromone;Pherocon 1c	2014	3	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Marshall	Trap;Wing Pheromone;Pherocon 1c	2014	5	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Miami	Trap;Wing Pheromone;Pherocon 1c	2014	1	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Montgomery	Trap;Wing Pheromone;Pherocon 1c	2014	2	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Morris	Trap;Wing Pheromone;Pherocon 1c	2014	1	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Nemaha	Trap;Wing Pheromone;Pherocon 1c	2014	4	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Neosho	Trap;Wing Pheromone;Pherocon 1c	2014	2	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Osage	Trap;Wing Pheromone;Pherocon 1c	2014	2	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Pottawatomie	Trap;Wing Pheromone;Pherocon 1c	2014	1	0
Golden Twin Spot Moth -	KS - Riley	Trap;Wing	2014	1	0

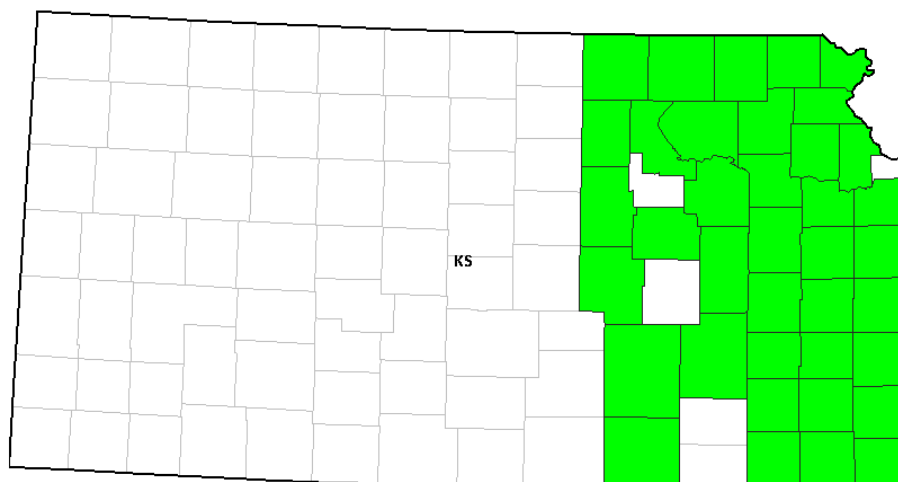
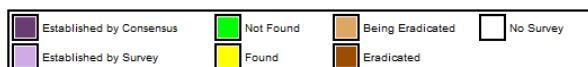
Chrysodeixis chalcites		Pheromone;Pherocon 1c			
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Shawnee	Trap;Wing Pheromone;Pherocon 1c	2014	1	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Wabaunsee	Trap;Wing Pheromone;Pherocon 1c	2014	1	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Washington	Trap;Wing Pheromone;Pherocon 1c	2014	4	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Wilson	Trap;Wing Pheromone;Pherocon 1c	2014	2	0
Golden Twin Spot Moth - Chrysodeixis chalcites	KS - Woodson	Trap;Wing Pheromone;Pherocon 1c	2014	1	0
REPORT TOTAL				79	0

Reported Status of

Golden Twin Spot Moth / *Chrysodeixis chalcites*
(01/01/2014 - 11/24/2014)

in Kansas

Data retrieved from NAPIS on Mon Nov 24 2014 14:25:03 GMT-0600 (Central Standard Time)



This map only represents pest survey data submitted to the NAPIS database by participating states in the Cooperative Agricultural Pest Survey (CAPS) program with USDA, APHIS, PPQ.

Data is based on survey observation by calendar year.

CERIS does not certify the accuracy or completeness of this map.

"Survey in Progress" does not imply that all counties are expected to report.

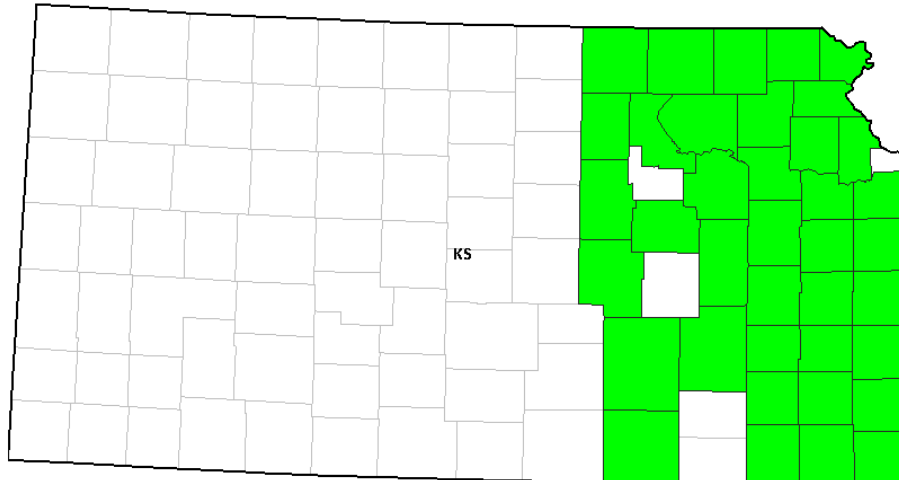
© 2009-2014 Purdue University. All Rights Reserved.

Pest	Area	Survey Method	Year	Total Traps	Positive Traps
Old World Bollworm - Helicoverpa armigera	KS - Allen	Trap;Plastic Bucket (Unitrap)	2014	2	0
Old World Bollworm - Helicoverpa armigera	KS - Anderson	Trap;Plastic Bucket (Unitrap)	2014	3	0
Old World Bollworm - Helicoverpa armigera	KS - Atchison	Trap;Plastic Bucket (Unitrap)	2014	2	0
Old World Bollworm - Helicoverpa armigera	KS - Bourbon	Trap;Plastic Bucket (Unitrap)	2014	1	0
Old World Bollworm - Helicoverpa armigera	KS - Brown	Trap;Plastic Bucket (Unitrap)	2014	4	0
Old World Bollworm - Helicoverpa armigera	KS - Butler	Trap;Plastic Bucket (Unitrap)	2014	2	0
Old World Bollworm - Helicoverpa armigera	KS - Cherokee	Trap;Plastic Bucket (Unitrap)	2014	3	0
Old World Bollworm - Helicoverpa armigera	KS - Clay	Trap;Plastic Bucket (Unitrap)	2014	3	0
Old World Bollworm - Helicoverpa armigera	KS - Coffey	Trap;Plastic Bucket (Unitrap)	2014	3	0
Old World Bollworm - Helicoverpa armigera	KS - Cowley	Trap;Plastic Bucket (Unitrap)	2014	2	0
Old World Bollworm - Helicoverpa armigera	KS - Crawford	Trap;Plastic Bucket (Unitrap)	2014	2	0
Old World Bollworm - Helicoverpa armigera	KS - Dickinson	Trap;Plastic Bucket (Unitrap)	2014	3	0
Old World Bollworm - Helicoverpa armigera	KS - Doniphan	Trap;Plastic Bucket (Unitrap)	2014	2	0
Old World Bollworm - Helicoverpa armigera	KS - Douglas	Trap;Plastic Bucket (Unitrap)	2014	1	0
Old World Bollworm - Helicoverpa armigera	KS - Franklin	Trap;Plastic Bucket (Unitrap)	2014	3	0
Old World Bollworm - Helicoverpa armigera	KS - Greenwood	Trap;Plastic Bucket (Unitrap)	2014	1	0
Old World Bollworm - Helicoverpa armigera	KS - Jackson	Trap;Plastic Bucket (Unitrap)	2014	1	0
Old World Bollworm - Helicoverpa armigera	KS - Jefferson	Trap;Plastic Bucket (Unitrap)	2014	1	0
Old World Bollworm - Helicoverpa armigera	KS - Johnson	Trap;Plastic Bucket (Unitrap)	2014	1	0
Old World Bollworm - Helicoverpa armigera	KS - Labette	Trap;Plastic Bucket (Unitrap)	2014	2	0
Old World Bollworm - Helicoverpa armigera	KS - Leavenworth	Trap;Plastic Bucket (Unitrap)	2014	1	0
Old World Bollworm - Helicoverpa armigera	KS - Linn	Trap;Plastic Bucket (Unitrap)	2014	2	0
Old World Bollworm - Helicoverpa armigera	KS - Lyon	Trap;Plastic Bucket (Unitrap)	2014	3	0

Helicoverpa armigera		(Unitrap)			
Old World Bollworm - Helicoverpa armigera	KS - Marion	Trap;Plastic Bucket (Unitrap)	2014	3	0
Old World Bollworm - Helicoverpa armigera	KS - Marshall	Trap;Plastic Bucket (Unitrap)	2014	5	0
Old World Bollworm - Helicoverpa armigera	KS - Miami	Trap;Plastic Bucket (Unitrap)	2014	1	0
Old World Bollworm - Helicoverpa armigera	KS - Montgomery	Trap;Plastic Bucket (Unitrap)	2014	2	0
Old World Bollworm - Helicoverpa armigera	KS - Morris	Trap;Plastic Bucket (Unitrap)	2014	1	0
Old World Bollworm - Helicoverpa armigera	KS - Nemaha	Trap;Plastic Bucket (Unitrap)	2014	4	0
Old World Bollworm - Helicoverpa armigera	KS - Neosho	Trap;Plastic Bucket (Unitrap)	2014	2	0
Old World Bollworm - Helicoverpa armigera	KS - Osage	Trap;Plastic Bucket (Unitrap)	2014	2	0
Old World Bollworm - Helicoverpa armigera	KS - Pottawatomie	Trap;Plastic Bucket (Unitrap)	2014	1	0
Old World Bollworm - Helicoverpa armigera	KS - Riley	Trap;Plastic Bucket (Unitrap)	2014	1	0
Old World Bollworm - Helicoverpa armigera	KS - Shawnee	Trap;Plastic Bucket (Unitrap)	2014	1	0
Old World Bollworm - Helicoverpa armigera	KS - Wabaunsee	Trap;Plastic Bucket (Unitrap)	2014	1	0
Old World Bollworm - Helicoverpa armigera	KS - Washington	Trap;Plastic Bucket (Unitrap)	2014	4	0
Old World Bollworm - Helicoverpa armigera	KS - Wilson	Trap;Plastic Bucket (Unitrap)	2014	2	0
Old World Bollworm - Helicoverpa armigera	KS - Woodson	Trap;Plastic Bucket (Unitrap)	2014	1	0
REPORT TOTAL				79	0

Reported Status of
Old World Bollworm / Helicoverpa armigera
 (01/01/2014 - 11/24/2014)
 in Kansas

Data retrieved from NAPIS on Mon Nov 24 2014 14:26:36 GMT-0600 (Central Standard Time)



This map only represents pest survey data submitted to the NAPIS database by participating states in the Cooperative Agricultural Pest Survey (CAPS) program with USDA, APHIS, PPQ.

Data is based on survey observation by calendar year.

CERIS does not certify the accuracy or completeness of this map.

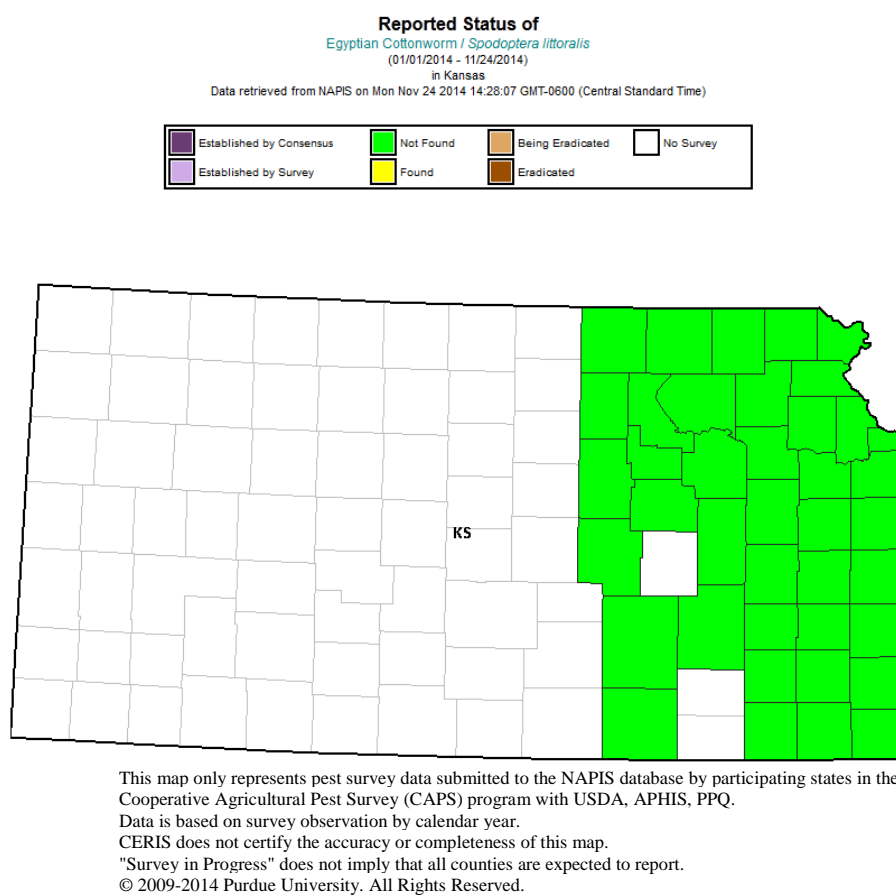
"Survey in Progress" does not imply that all counties are expected to report.

© 2009-2014 Purdue University. All Rights Reserved.

Pest	Area	Survey Method	Year	Total Traps	Positive Traps
Egyptian Cottonworm - Spodoptera littoralis	KS - Allen	Trap;Plastic Bucket (Unitrap)	2014	2	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Anderson	Trap;Plastic Bucket (Unitrap)	2014	3	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Atchison	Trap;Plastic Bucket (Unitrap)	2014	2	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Bourbon	Trap;Plastic Bucket (Unitrap)	2014	1	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Brown	Trap;Plastic Bucket (Unitrap)	2014	4	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Butler	Trap;Plastic Bucket (Unitrap)	2014	2	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Cherokee	Trap;Plastic Bucket (Unitrap)	2014	3	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Clay	Trap;Plastic Bucket (Unitrap)	2014	3	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Coffey	Trap;Plastic Bucket (Unitrap)	2014	3	0

Egyptian Cottonworm - Spodoptera littoralis	KS - Cowley	Trap;Plastic Bucket (Unitrap)	2014	2	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Crawford	Trap;Plastic Bucket (Unitrap)	2014	2	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Dickinson	Trap;Plastic Bucket (Unitrap)	2014	3	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Doniphan	Trap;Plastic Bucket (Unitrap)	2014	2	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Douglas	Trap;Plastic Bucket (Unitrap)	2014	1	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Franklin	Trap;Plastic Bucket (Unitrap)	2014	3	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Greenwood	Trap;Plastic Bucket (Unitrap)	2014	1	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Jackson	Trap;Plastic Bucket (Unitrap)	2014	1	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Jefferson	Trap;Plastic Bucket (Unitrap)	2014	1	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Johnson	Trap;Plastic Bucket (Unitrap)	2014	1	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Labette	Trap;Plastic Bucket (Unitrap)	2014	2	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Leavenworth	Trap;Plastic Bucket (Unitrap)	2014	1	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Linn	Trap;Plastic Bucket (Unitrap)	2014	2	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Lyon	Trap;Plastic Bucket (Unitrap)	2014	3	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Marion	Trap;Plastic Bucket (Unitrap)	2014	3	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Marshall	Trap;Plastic Bucket (Unitrap)	2014	5	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Miami	Trap;Plastic Bucket (Unitrap)	2014	1	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Montgomery	Trap;Plastic Bucket (Unitrap)	2014	2	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Morris	Trap;Plastic Bucket (Unitrap)	2014	1	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Nemaha	Trap;Plastic Bucket (Unitrap)	2014	4	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Neosho	Trap;Plastic Bucket (Unitrap)	2014	2	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Osage	Trap;Plastic Bucket (Unitrap)	2014	2	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Pottawatomie	Trap;Plastic Bucket (Unitrap)	2014	1	0
Egyptian Cottonworm -	KS - Riley	Trap;Plastic Bucket	2014	1	0

Spodoptera littoralis		(Unitrap)			
Egyptian Cottonworm - Spodoptera littoralis	KS - Shawnee	Trap;Plastic Bucket (Unitrap)	2014	1	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Wabaunsee	Trap;Plastic Bucket (Unitrap)	2014	1	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Washington	Trap;Plastic Bucket (Unitrap)	2014	4	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Wilson	Trap;Plastic Bucket (Unitrap)	2014	2	0
Egyptian Cottonworm - Spodoptera littoralis	KS - Woodson	Trap;Plastic Bucket (Unitrap)	2014	1	0
REPORT TOTAL				79	0



B. If appropriate, explain why objectives were not met.*

**C. Where appropriate, explain any cost overruns or unobligated funds in excess of \$1,000.

**indicates information is required per 7 CFR 3016.40 and 7 CFR 3019.51*

Approved and signed by

Cooperator

Date: _____

ADODR

Date: _____